

Non-Programmable Device Server **User Manual**



Model: iDS-718i-D/iDS-718iM-D

Model: iDS-728i-T/iDS-728iM-T



Model: iDS-448iM-D

iDS-718i-D	Intelligent Device Server with 1 RS-232/422/485 (Isolated, RoHS, DB9)
iDS-718iM-D CR	Intelligent Device Server with 1 RS-232/422/485 (Isolated, Metal Case, RoHS, DB9)
iDS-728i-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, RoHS, Terminal block)
iDS-728iM-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, Metal Case, RoHS, Terminal block)
iDS-448iM-D	Intelligent Device Server with 4 RS-232/422/485 (Isolated, RoHS, DB9)

Warranty

All products manufactured by ICP DAS are under warranty regarding defective materials for a period of one year, starting from the date of delivery to the original purchaser.

Warning

ICP DAS assumes no liability for damages resulting from the use of this product. ICP DAS reserves the right to change this manual at any time without notice. The information furnished by ICP DAS is believed to be accurate and reliable. However, no responsibility is assumed by ICP DAS for its use, nor for any infringements of patents or other rights of third parties resulting from its use.

Copyright

Copyright © 2020 by ICP DAS. All rights are reserved.

Trademark

The names used for identification only may be registered trademarks of their respective companies.

Contact US

If you have any question, please feel free to contact us.
We will give you quick response within 2 workdays.

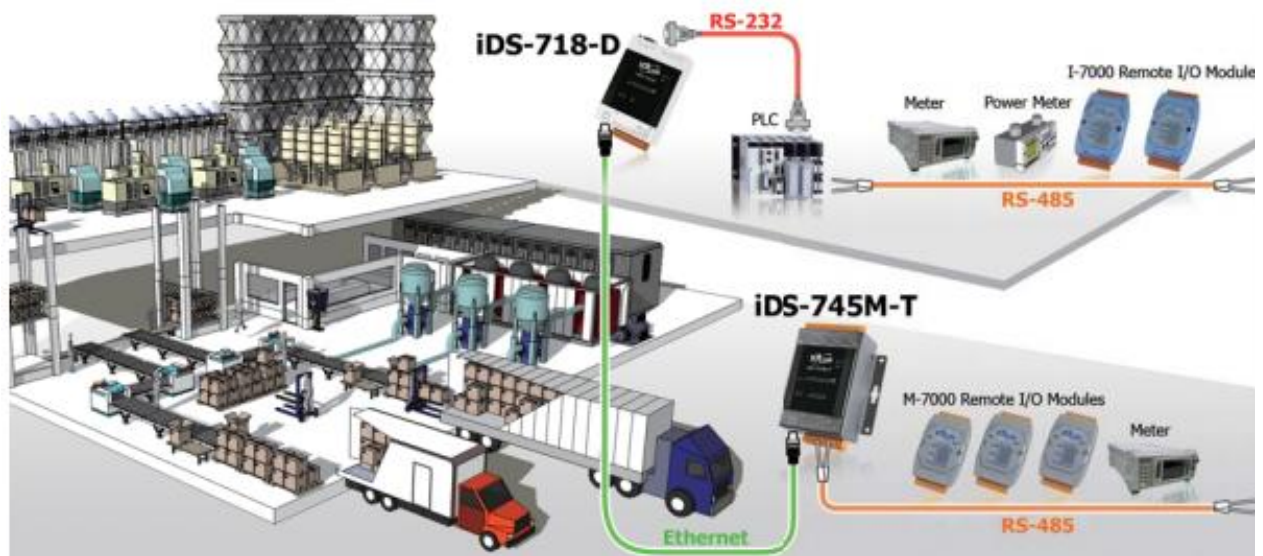
Email: service@icpdas.com , service.icpdas@gmail.com

Table of Contents

1. INTRODUCTION	5
1.1 PACKING LIST	6
1.2 FEATURES	7
1.3 SPECIFICATIONS	8
1.4 ORDERING INFORMATION	9
1.5 OPTION ACCESSORIES	9
2. GETTING STARTED	10
2.1 DIMENSIONS AND MOUNTING	10
2.2 PIN ASSIGNMENT	14
2.2.1 <i>iDS-718 Series</i>	14
2.2.2 <i>iDS-728 Series</i>	16
2.2.3 <i>iDS-448 Series</i>	17
2.3 LED INDICATORS	18
2.4 CONFIGURATION METHOD	19
2.4.1 <i>Factory Setting</i>	19
2.4.2 <i>Setting IP Address</i>	19
3. WEB MANAGEMENT INTERFACE	21
3.1 WEB BROWSER	21
3.2 INITIALIZE SETTING	22
3.2.1 <i>Basic Setting</i>	22
3.2.2 <i>Network Setting</i>	23
3.2.3 <i>SNMP</i>	24
3.2.4 <i>Account/Password Table</i>	25
3.2.5 <i>Accessible IP Table</i>	26
3.2.6 <i>Monitor</i>	27
3.2.7 <i>Event Notification</i>	28
3.2.8 <i>Firmware Upgrade</i>	29
3.2.9 <i>Restart</i>	29
4. SERIAL PORT OPERATION MODES	30
4.1 SERIAL PORT BASIC SETTING	30
4.2 VIRTUAL COM	32
4.2.1 <i>Installing Virtual COM Utility</i>	32
4.2.2 <i>Network Setting</i>	32
4.2.3 <i>Configuring Virtual COM Ports</i>	33
4.3 SOCKET MODES	35

4.3.1	TCP Server	35
4.3.2	TCP Client	36
4.3.3	UDP	37
4.4	PAIR CONNECTION	38
4.4.1	Pair Connection Server	38
4.4.2	Pair Connection Client	39
4.5	RFC2217	40
4.6	ETHERNET MODEM	41

1. Introduction



The iDS-700/400 Series is a new generation Device Server from ICP DAS and is equipped with a powerful CPU module running on the open operating system, various connectivity (Ethernet, micro SD and serial port) and communication interfaces. Compared with the previous generation PDS, not only the CPU performance is higher but also more features are improved such as 256 MB flash, 256 MB DDR3 memory, unique 64-bit hardware serial number, and real-time clock, etc. These make the iDS Series becoming one of the most powerful system.

This device server is designed to add Ethernet and Internet connectivity to any RS-232 and RS-422/485 device, and to eliminate the cable length limitation of legacy serial communication, coupled with a large built-in RAM buffer, allows for fast transmission and prevents congestion of serial data on the network. Built-in powerful ARM-based processor offers excellent performance at low power consumption. The preloaded high-performance operating system is open, flexible, scalable and allows user to easily add or remove application/service from configuration mechanism.

1.1 Packing List

The package includes the following items:

- One (Programmable) Device Server hardware module
- One software utility CD
- One RS-232 console/download cable, CA-0903
- One Quick Start Guide

Note: If any of these items are missed or damaged, contact the local distributors for more information. Save the shipping materials and cartons in case you want to ship in the future.

1.2 Features

- Incorporate Serial Devices in an Ethernet network
- Virtual COM for 32-bit and 64-bit Windows XP/2003/Vista/7
- High-performance ARM-based Processor
- 256 MB DDR3 memory for data transmission and buffering
- Zero Data Loss
- UDP Support
- RFC2217 support
- Modem Emulator
- Open, Flexible and Scalable Platform
- SNMP Management Protocol

1.3 Specifications

Models	iDS-718i-D	iDS-728i-T	iDS-718iM-D	iDS-728iM-T	iDS-448iM-D
CPU Module					
CPU	32-bit High Performance Processor				
Peripheral	microSD, RTC, 64-bit Serial Number, Watchdog, Buzzer				
Communication Interface					
COM1	5-wire RS-232/422/485 (Isolated)				8-wire RS-232/422/485 (Isolated)
COM2	–	5-wire RS-232/422/485 (Isolated)	–	5-wire RS-232/422/485 (Isolated)	8-wire RS-232/422/485 (Isolated)
COM3	–	–	–	–	8-wire RS-232/422/485 (Isolated)
COM4	–	–	–	–	8-wire RS-232/422/485 (Isolated)
Ethernet	10/100 Base-TX, RJ-45 port (Auto-negotiating, Auto MDI/MDI-X, LED indicators), PoE (IEEE 802.3af, Class 1)				2-port 10/100 Base-TX Ethernet Switch with LAN Bypass, RJ-45 port (Auto-negotiating, Auto MDI/MDI-X, LED indicators), PoE (IEEE 802.3af, Class 1)
COM Port Signals					
3-wire RS-232	Rx, Tx and GND				
5-wire RS-232	Rx, Tx, CTS, RTS and GND				
8-wire RS-232	Rx, Tx, CTS, RTS, DCD, DSR, DTR, and GND				
RS-422/485	Tx+, Tx-, Rx+, Rx- and GND/Data+, Data- and GND				
RS-485	Data+, Data- and Iso.GND				
COM Port Formats					
Data Bits	5, 6, 7, 8				
Parity	None, Even, Odd, Mark, Space				
Stop Bits	1, 1.5, 2				
Baud Rate	921.6 kbps Max.				
Flow Control	RTS/CTS, XON/XOFF				
Pull High/Low Resistor	Switch-selectable (1 kΩ for RS-422/485, Non-Resistor for RS-232)				
Power					
ESD Protection	Yes (with Frame Ground)				
Protection	Power input reverse polarity protection				
Required Supply Voltage	+12 VDC ~ +48 VDC (non-regulated) or PoE (IEEE 802.3af, Class 1)				
Power Consumption	3.5 W				
Software					
Protocols	ICMP, IPv4, IPv6, TCP, UDP, DHCP, BOOTP, Telnet, SSH, FTP, SFTP, DNS, SNMP V1/V2c/V3, HTTP, SMTP, ARP				
Configuration Method	Web and eSearch Utility for Windows				
Virtual COM for Windows	Windows XP/2003/2008/7/8 x86/x64, 2012 x64, XP Embedded				
Virtual COM for Linux	Linux kernel 2.4.x, 2.6.x, 3.x				
SNMP Standards	RFC1213 MIB-II, RFC1317				
Application Modes	Virtual COM, TCP Server, TCP Client, UDP, Pair Connection, RFC2217, Terminal, Reverse Telnet, TCP Modem, Modbus Gateway				

Mechanical			
Dimensions (W x H x D)	76 mm x 114 mm x 42 mm (97 mm x 114 mm x 42 mm for "M" versions)	76 mm x 120 mm x 42 mm (97 mm x 120 mm x 42 mm for "M" versions)	129 mm x 166 mm x 47 mm
Installation	DIN-Rail		
Casing	Plastic (Metal for "M" versions)		
Environment			
Operating Temperature	-25 °C ~ +75 °C		
Storage Temperature	-40 °C ~ +80 °C		
Humidity	5 ~ 90% RH, non-condensing		

1.4 Ordering Information

iDS-718i-D	Intelligent Device Server with 1 RS-232/422/485 (Isolated, RoHS, DB9)
iDS-718iM-D CR	Intelligent Device Server with 1 RS-232/422/485 (Isolated, Metal Case, RoHS, DB9)
iDS-728i-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, RoHS, Terminal block)
iDS-728iM-T CR	Intelligent Device Server with 2 RS-232/422/485 (Isolated, Metal Case, RoHS, Terminal block)
iDS-448iM-D CR	Intelligent Device Server with 4 RS-232/422/485 (Isolated, Metal Case, RoHS, DB9)

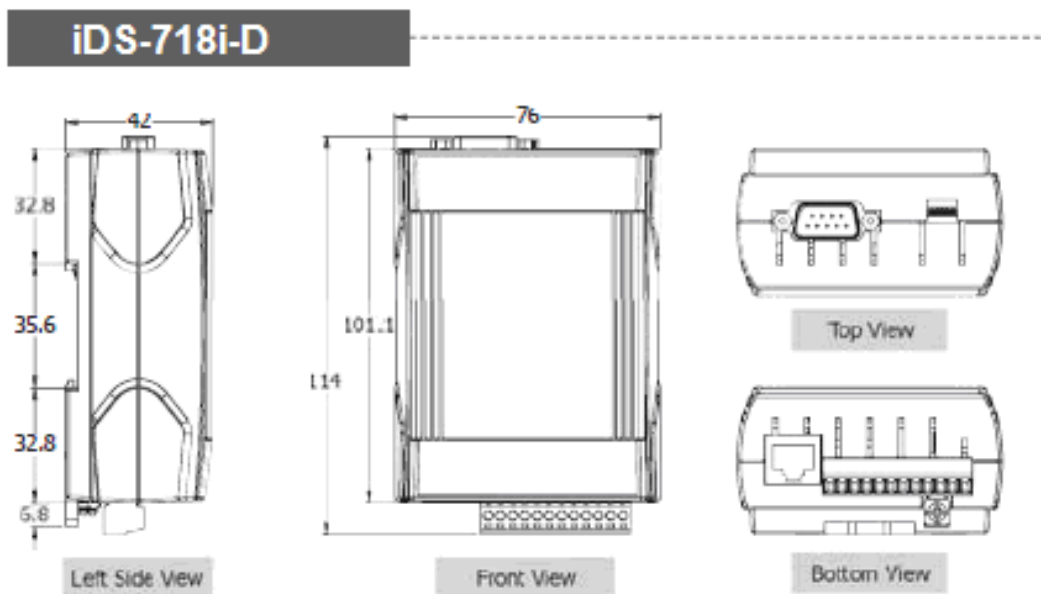
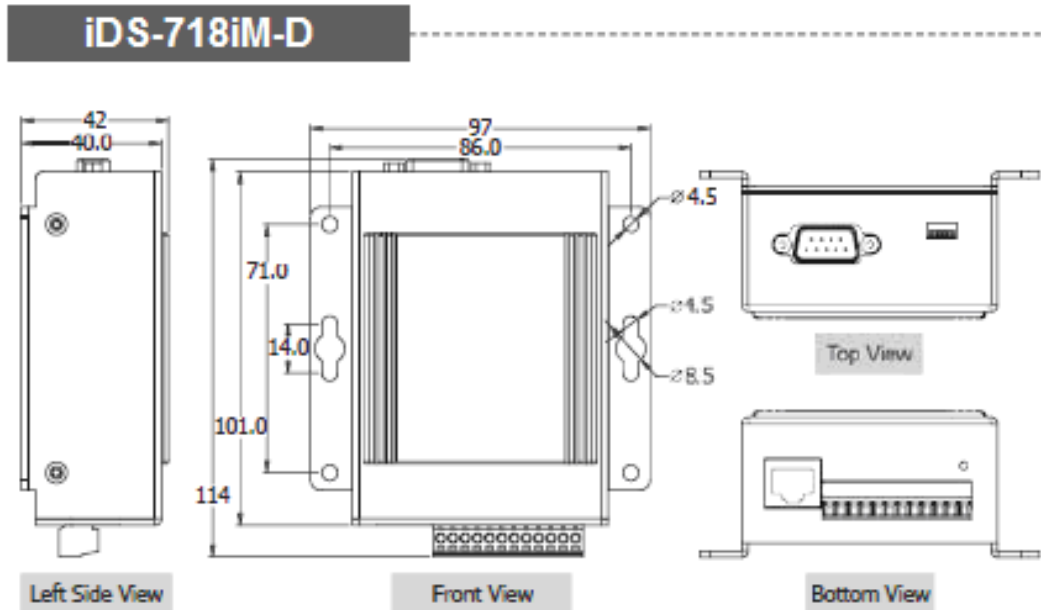
1.5 Option Accessories

GPSU06U-6 CR	24 VDC/0.25 A, 6 W Power Supply
MDR-20-24 CR	24 VDC/1 A, 24 W Power Supply with DIN-R
DIN-KA52F-48 CR	48V/0.52A, 25 W Power Supply with DIN-Rail Mounting (RoHS, for NS-205PSE)
CA-0903	9-Pin Female D-Sub and RS-232 Connector Cable, 30 cm Cable
CA-0910	9-Pin Female D-Sub and 3-wire RS-232 Cable, 1 m Cable
NS-205 CR	Unmanaged 5-port Industrial Ethernet Switch (RoHS)
NS-205PSE CR	Unmanaged Ethernet Switch with 4 PoE Ports and 1 RJ-45 Uplink (RoHS)

2. Getting Started

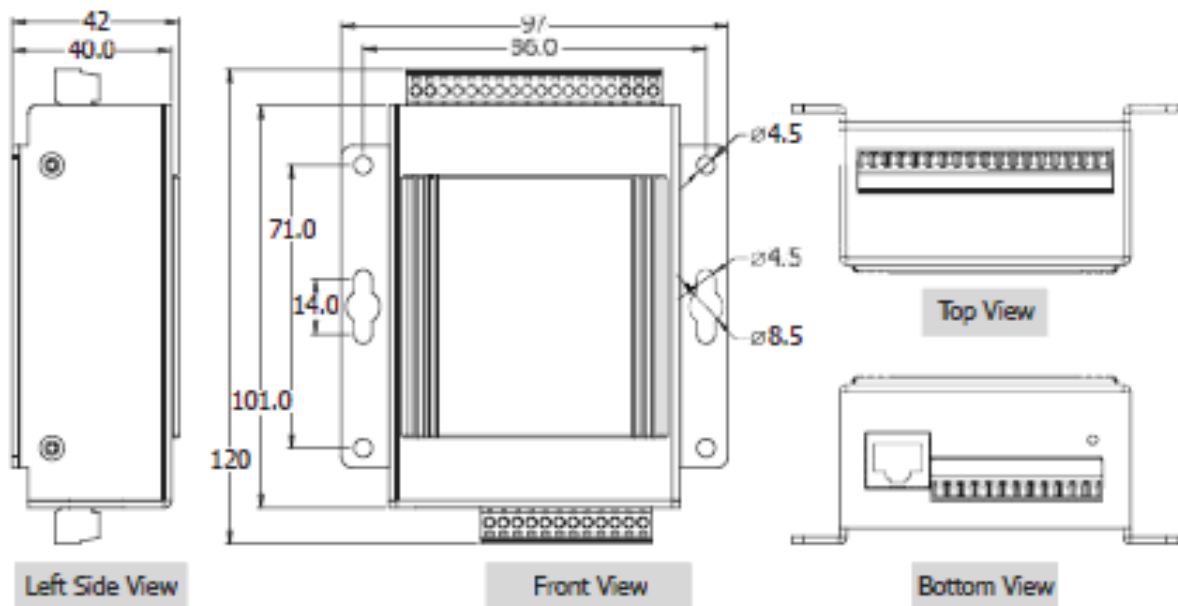
2.1 Dimensions and Mounting

■ iDS Series

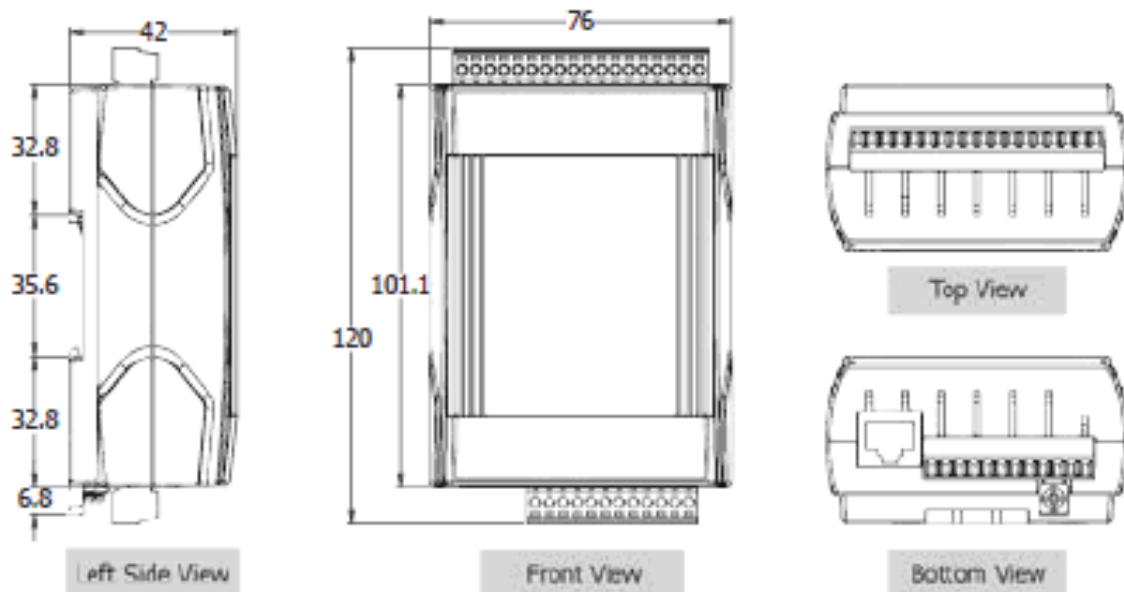


Unit: mm

iDS-728iM-T



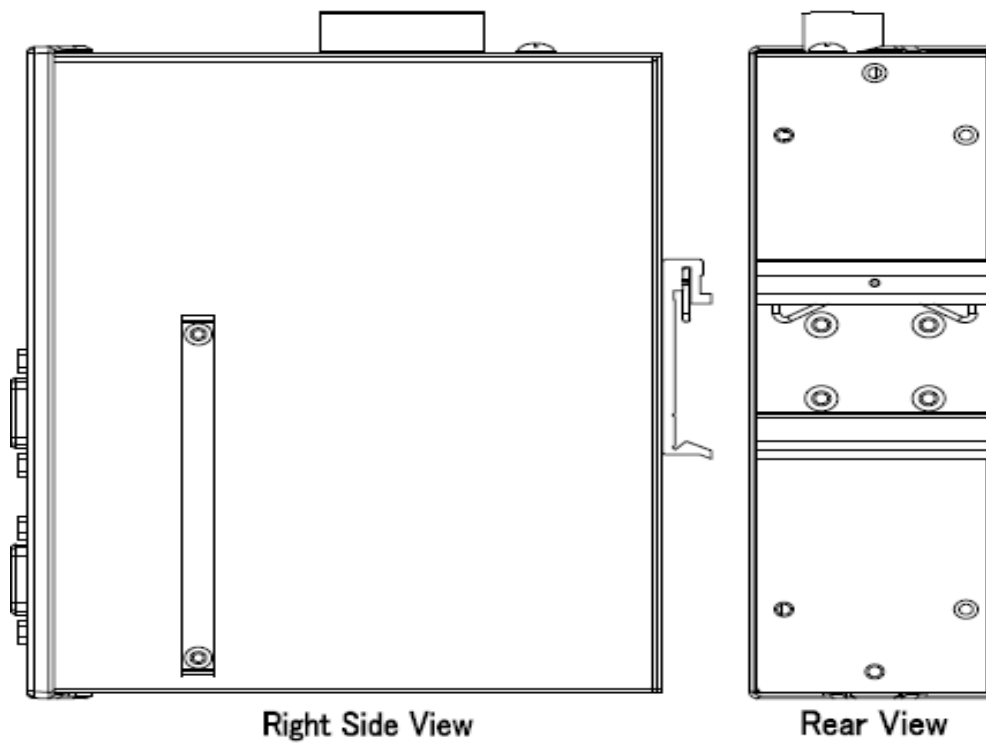
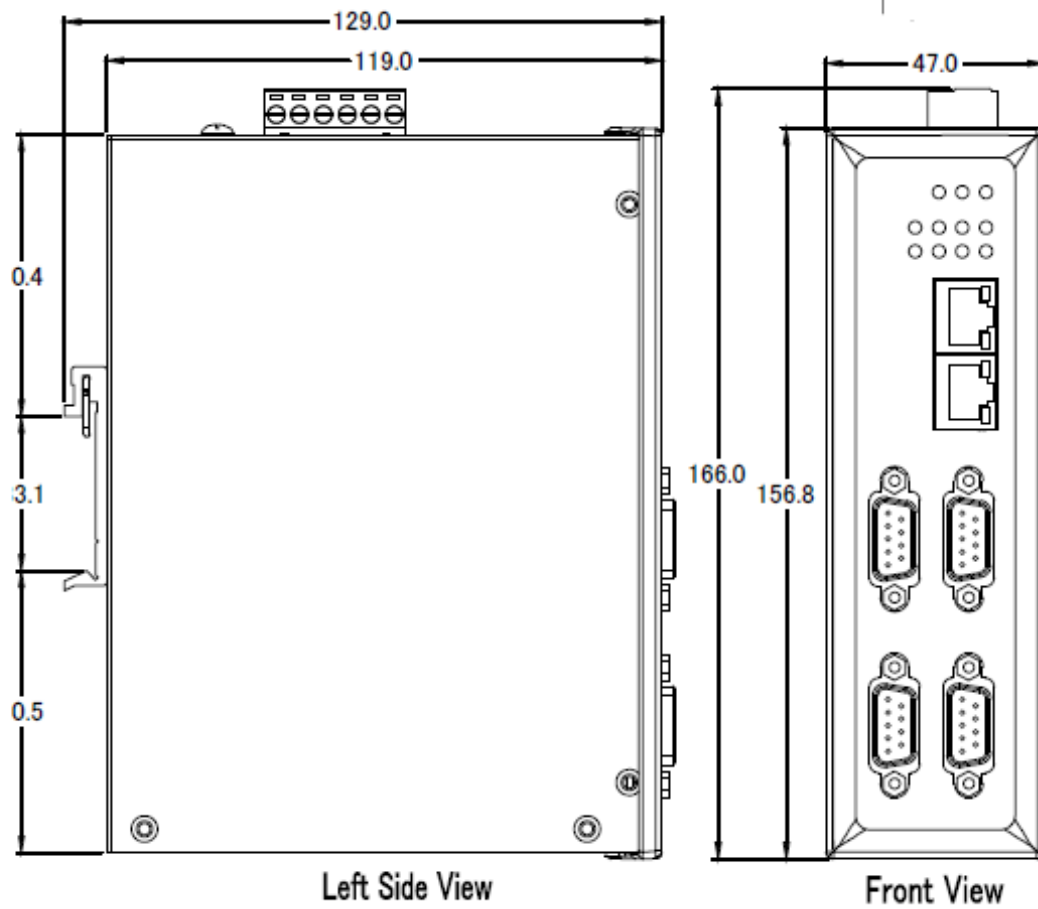
iDS-728i-T

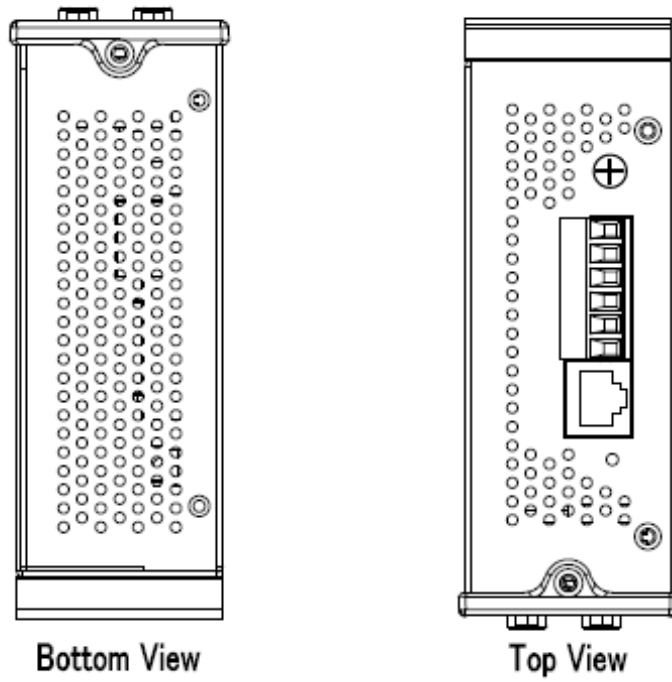


Unit: mm

Fig 2-3

iDS-448iM-D



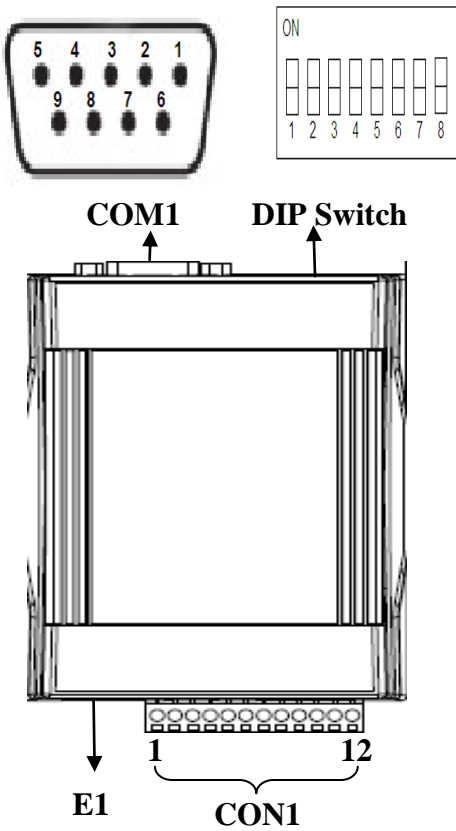


Unit: mm

Fig 2-4

2.2 Pin Assignment

2.2.1 iDS-718 Series



E1 & CON1(1 ~ 12)

Terminal NO	Pin Assignment
E1	Link/Act 10/100M
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	-
9	-
10	-
DC (12~48V)	11 P.PWR
	12 P.GND

Pull high/low resistors for the RS-422/RS-485 Port

DIP Switch	1	2	3	4	5	6	7	8
	RS-485/RS-422				RS-485	RS-422	M1	M0
	Pull High/Low				Terminator			
ON	1 K Ω		1 K Ω		120 Ω	120 Ω	0	0
OFF	Default						1	1

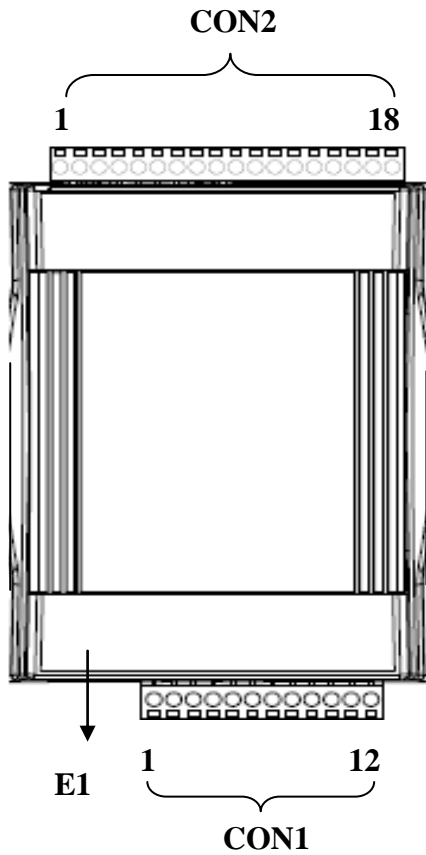
COM1 Pin Assignment

Pin	RS232	RS422	RS485
1	-	TXD-	Data-
2	RXD	TXD+	Data+
3	TXD	RXD+	-
4	-	RXD-	-
5	GND	GND	GND
6	-	-	-
7	RTS	-	-
8	CTS	-	-
9	-	-	-

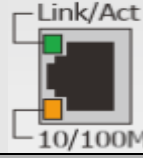
DIP Switch(COM1 Mode)

COM1	M1	M0	DIP Switch
RS232	ON	OFF	<p>ON</p> <p>1 2 3 4 5 6 7 8</p>
RS422	OFF	ON	<p>ON</p> <p>1 2 3 4 5 6 7 8</p>
RS485	OFF	OFF	<p>ON</p> <p>1 2 3 4 5 6 7 8</p>
Software	ON	ON	<p>ON</p> <p>1 2 3 4 5 6 7 8</p>

2.2.2 iDS-728 Series



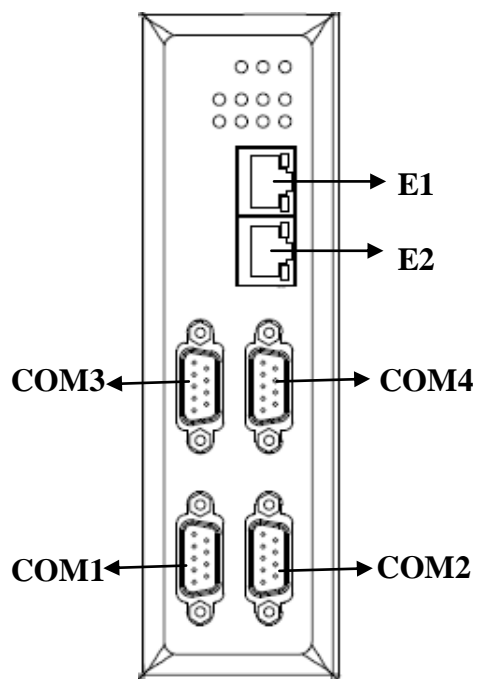
E1 & CON1(1 ~ 12)

Terminal NO	Pin Assignment	
E1		
1	-	
2	-	
3	-	
4	-	
5	-	
6	-	
7	-	
8	-	
9	-	
10	-	
DC (12V-48V)	11	P.PWR
	12	P.GND

CON2(1 ~ 18)

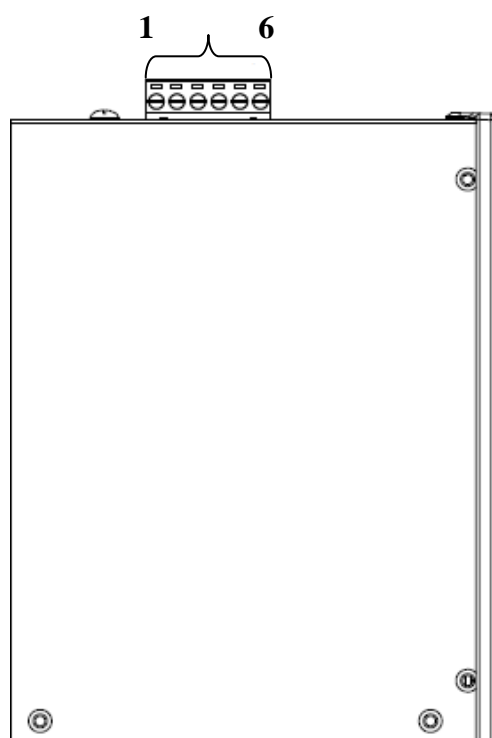
Terminal NO	Pin Assignment	
COM2	1	RS-422_RxD2-
	2	RS-422_RxD2+
	3	RS-422_TxD2/D2-
	4	RS-422_TxD2/D2+
	5	RS-232_CTS2
	6	RS-232_RTS2
	7	RS-232_RxD2
	8	RS-232_TxD2
	9	GND2
COM1	10	RS-422_RxD1-
	11	RS-422_RxD1+
	12	RS-422_TxD1/D1-
	13	RS-422_TxD1/D1+
	14	RS-232_CTS1
	15	RS-232_RTS1
	16	RS-232_RxD1
	17	RS-232_TxD1
	18	GND1

2.2.3 iDS-448 Series



E1, E2 & CON1(1 ~ 6)

Terminal NO		Pin Assignment
E1、E2		
DC (12~48V)	1	P.PWR
	2	P.GND
	3	P.PWR
	4	P.GND
5		-
6		-



COM1~4 Pin Assignment

Pin	RS232	RS422	RS485
1	DCD	TXD-	Data-
2	RXD	TXD+	Data+
3	TXD	RXD+	-
4	DTR	RXD-	-
5	GND	GND	GND
6	DSR	-	-
7	RTS	-	-
8	CTS	-	-
9	-	-	-

DIP Switch (COM1~4 Mode)

COM1	M1	M0	DIP Switch
RS232	ON	OFF	
RS422	OFF	ON	
RS485	OFF	OFF	
Software	ON	ON	

2.3 LED Indicators

The iDS contains three LED indicators.

LED Indicators	Color	Meaning
PWR	Red	Power is on
RUN	Green	OS is running
Ethernet	Green	Ethernet Cable is connecting

Table 2-1

2.4 Configuration Method

2.4.1 Factory Setting

IP : 192.168.255.1

NetMask : 255.255.255.0

Gateway : 192.168.255.254

Protocol : icpdas protocol

2.4.2 Setting IP Address

Using web browser (IE or Chrome) and typing the default IP (192.168.255.1) to connect to the iDS devices to set IP address(DHCP or Static). Please refer to the Fig 2-4 、 2-5:

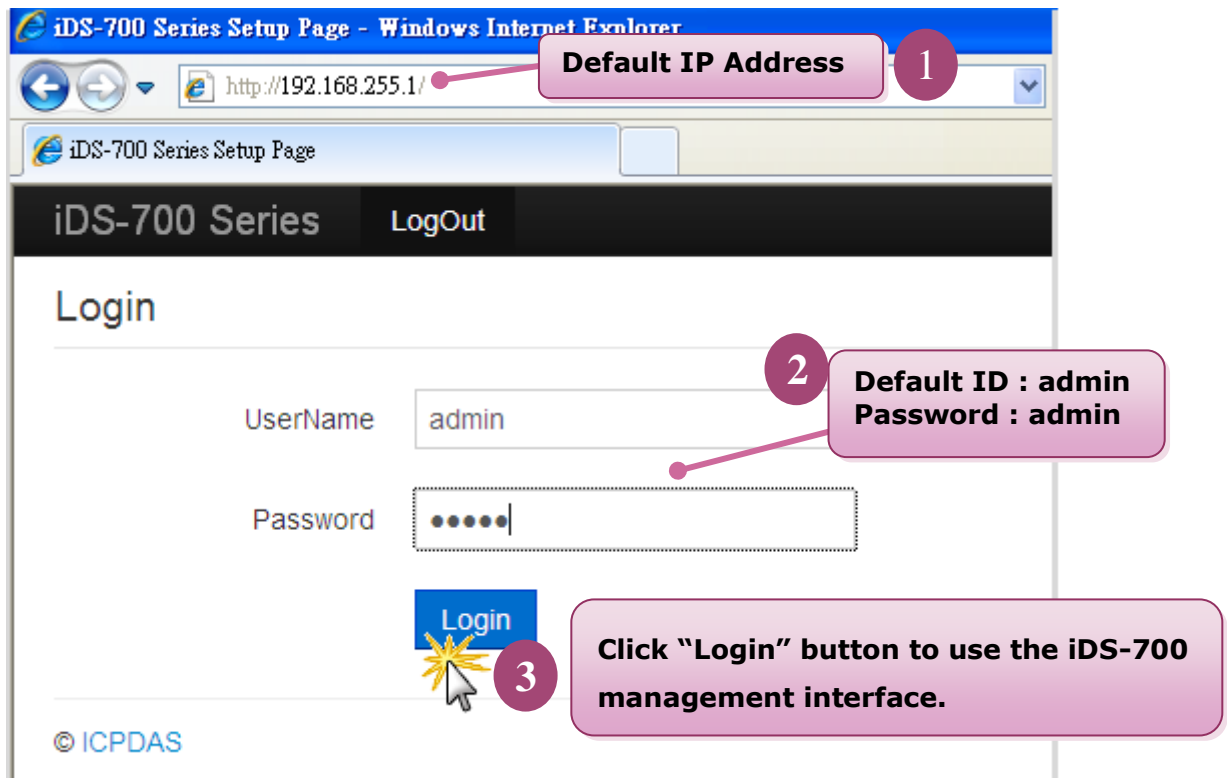


Fig 2-5 Login

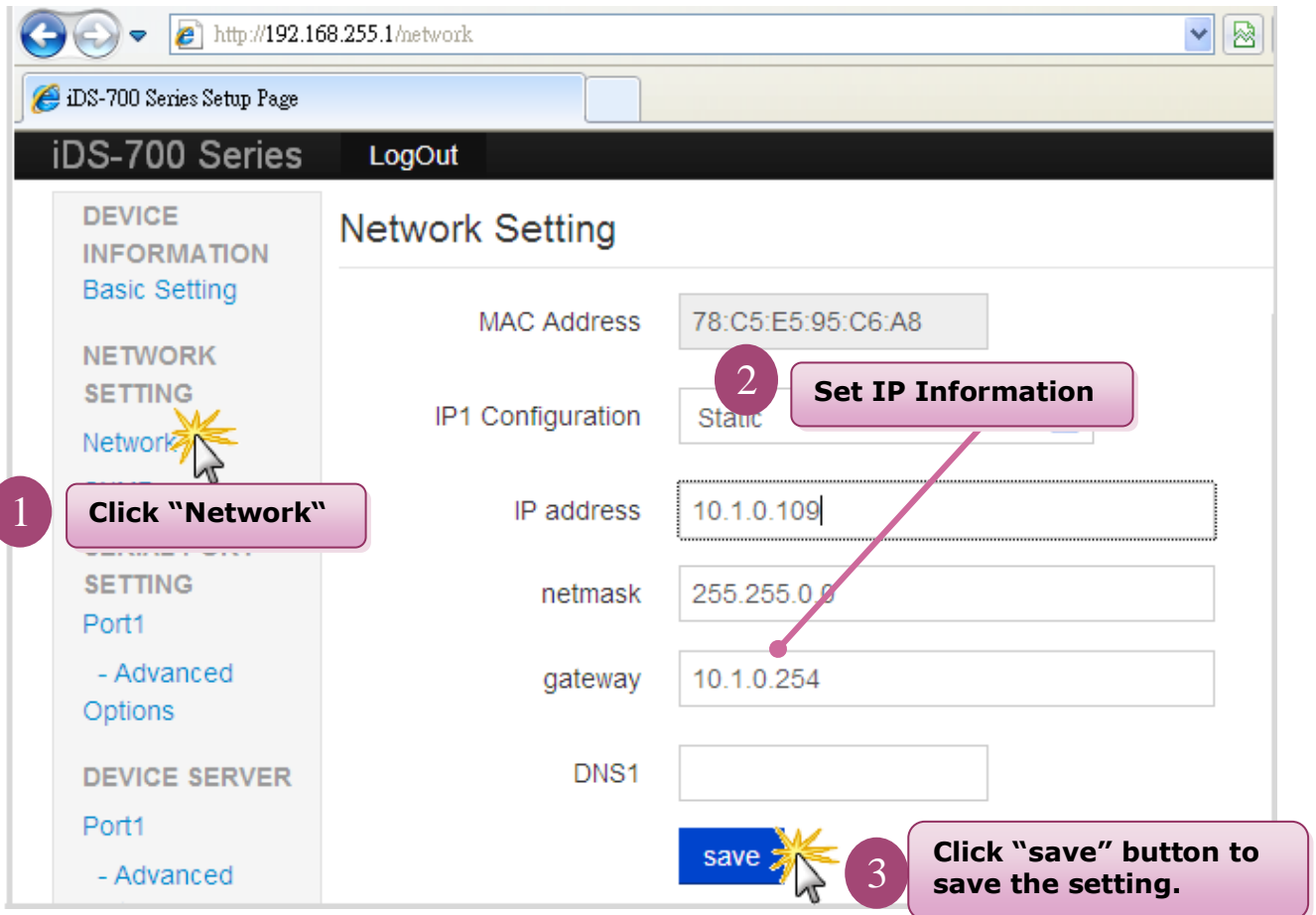


Fig 2-6 Network

3. Web Management Interface

3.1 Web Browser

User can use the web browser (IE 8 or later version, Chrome) to operate the iDS-700 series web management interface. User can input the IP address to connect to the “login” interface of iDS-700 device. Please refer to the Fig 3-1:

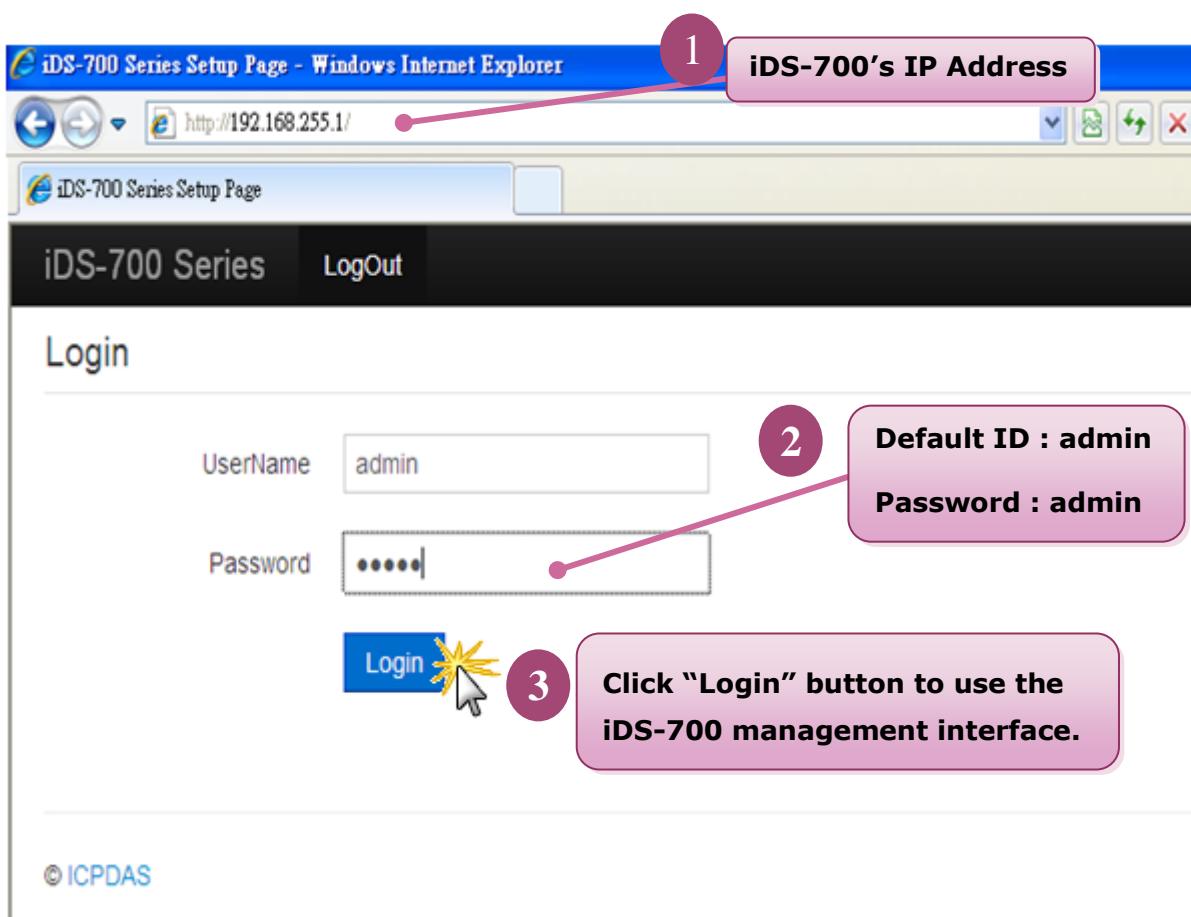


Fig 3-1 Login

3.2 Initialize Setting

3.2.1 Basic Setting

Clicking the “**Basic Setting**” to set the iDS’s hostname or enable/disable the function “**UDP search**” (the system default don’t enable). Please refer to the Fig 3-2:

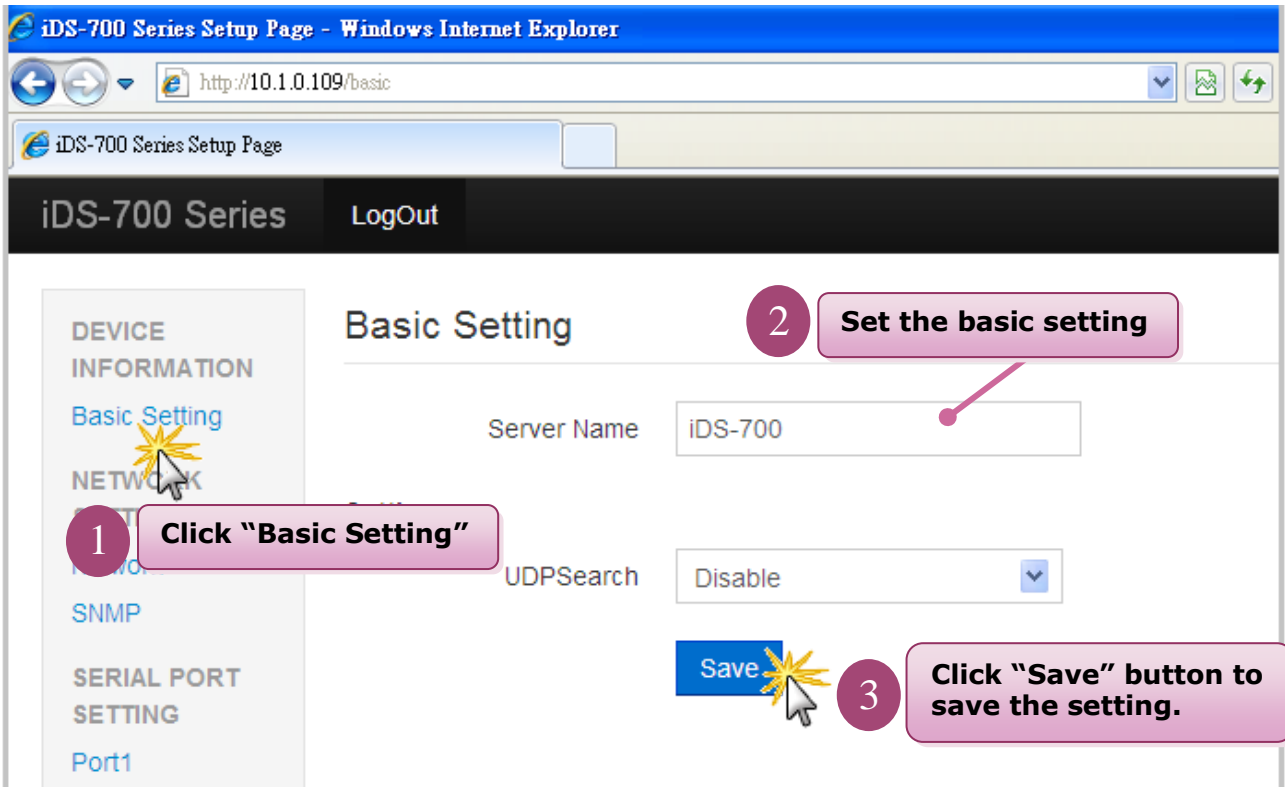


Fig 3-2 Basic Setting

3.2.2 Network Setting

Clicking the “Network” to set the IP address. Please refer to the Fig 3-3:

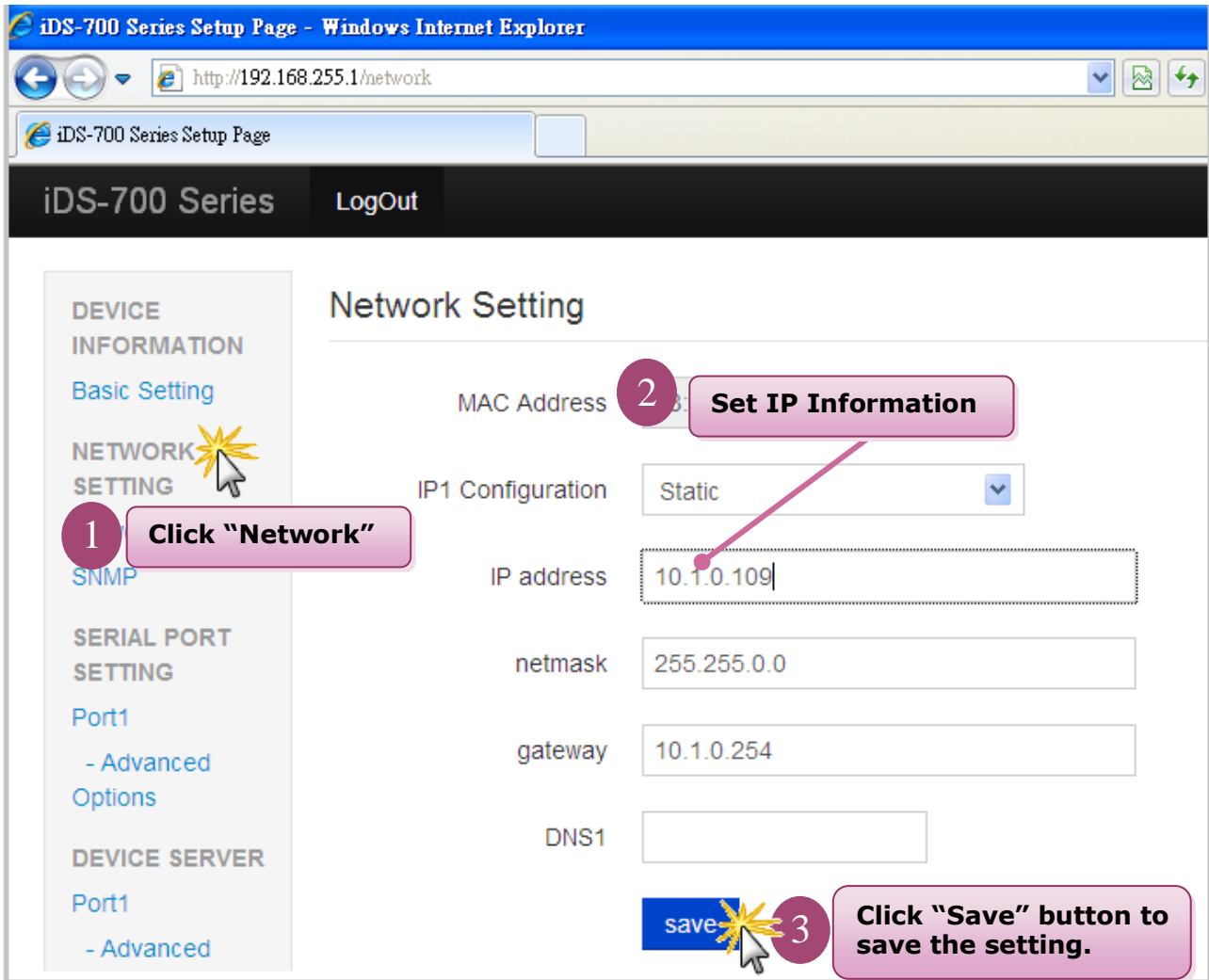


Fig 3-3 Network

3.2.3 SNMP

Clicking the “SNMP” to set the SNMP Agent. Please refer to the Fig 3-4:

The screenshot shows the web interface for the iDS-700 Series. At the top, there is a header with "iDS-700 Series" and "LogOut". On the left, a navigation menu is visible with sections: "DEVICE INFORMATION" (Basic Setting), "NETWORK SETTING" (Network, SNMP), and "DEVICE SERVER" (Port1, Port2, Port1). A callout box labeled "1" points to the "SNMP" link in the Network Setting section. The main content area is titled "SNMP Configuration" and contains three sections: "Agent", "SNMP V3 read only user", and "SNMP V3 read/rwrite only user". The "Agent" section has fields for Read Community Name (private), Write Community Name (public), Contact (Administrator <postmaster@example.com>), and Location (Right here, right now.). The "SNMP V3 read only user" section has fields for Username (icpdasr), Authentication Password (123456789), Authentication Protocol (SHA), and Privacy Password (123456789). The "SNMP V3 read/rwrite only user" section has fields for Username (icpdasw), Authentication Password (123456789), Authentication Protocol (SHA), and Privacy Password (123456789). A "Save" button is located at the bottom right. A callout box labeled "2" points to the "Set SNMP Configuration" button at the top right, and another callout box labeled "3" points to the "Save" button.

Fig 3-4 SNMP

3.2.4 Account/Password Table

Clicking the “Account/Password Table” to set the account information. Please refer to the Fig 3-5:

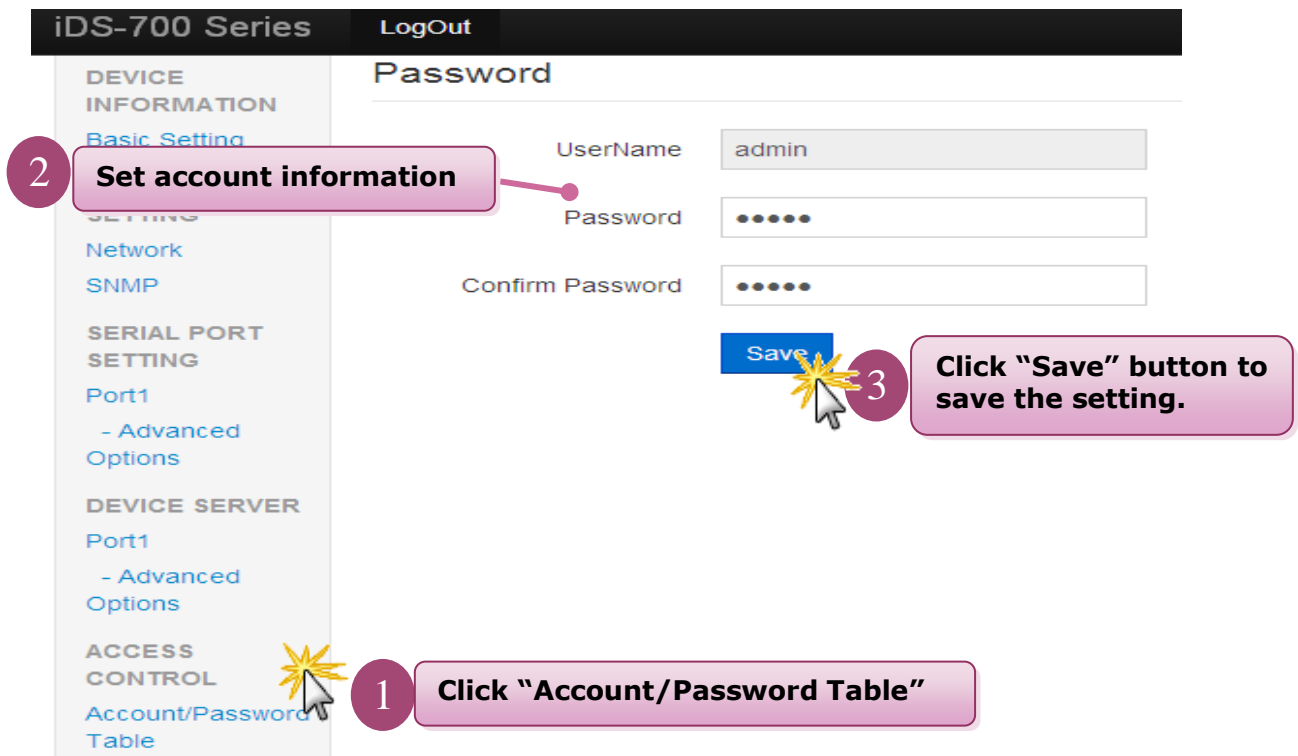


Fig 3-5 Account/Password Table

3.2.5 Accessible IP Table

Clicking the “Accessible IP Table” to enable/disable the rules of IP filter. Please refer to the Fig 3-6:

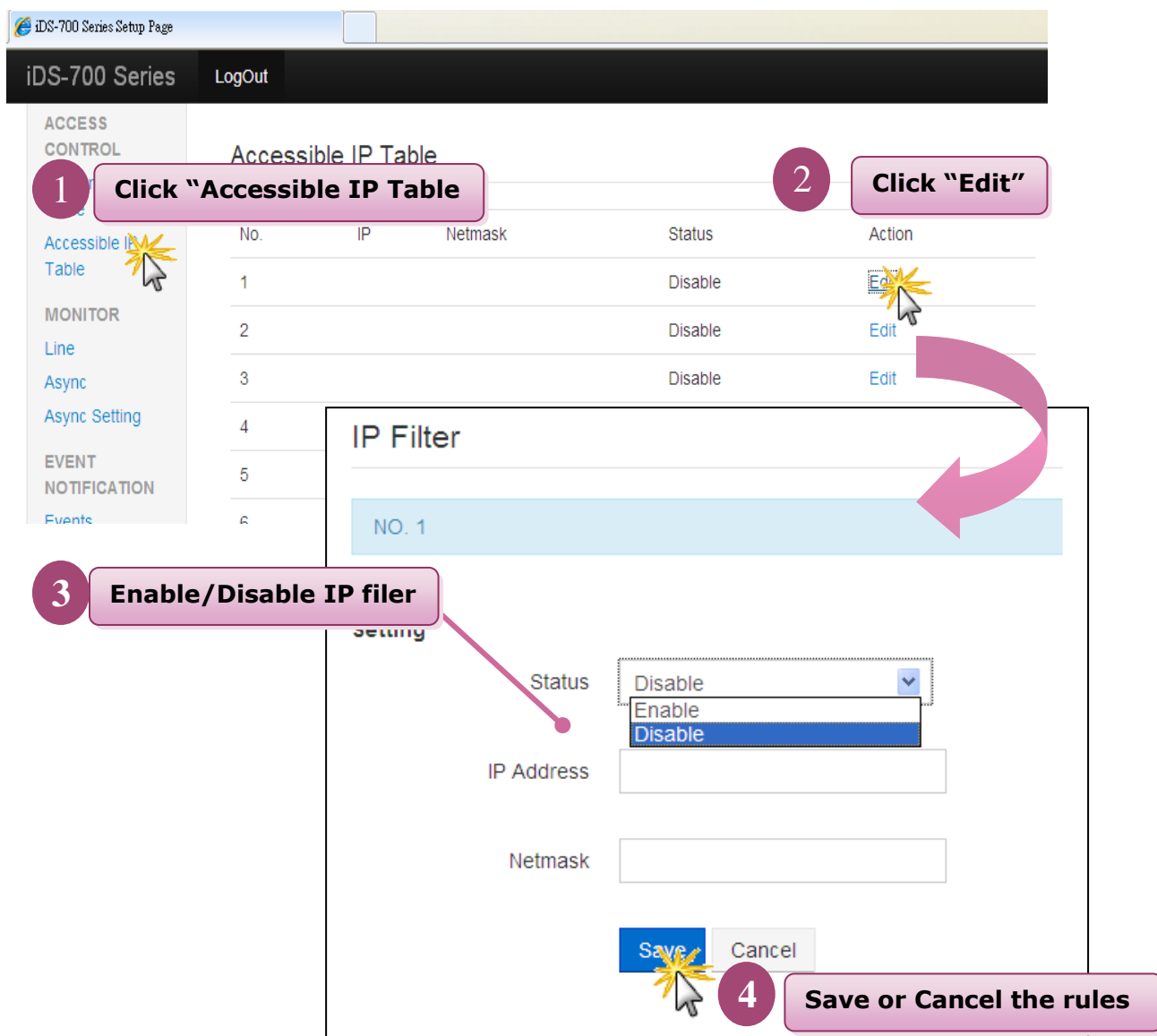


Fig 3-6 Accessible IP Table

3.2.6 Monitor

Clicking the “Line/Async/Async Setting” to get the COM’s information. Please refer to the Fig 3-7 and Fig 3-8:

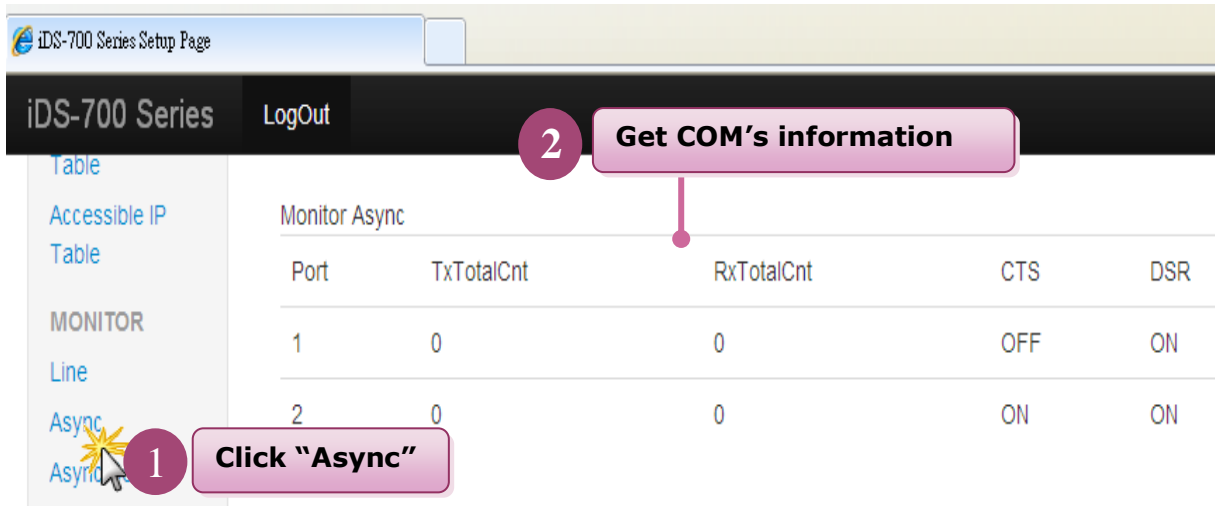


Fig 3-7 Async

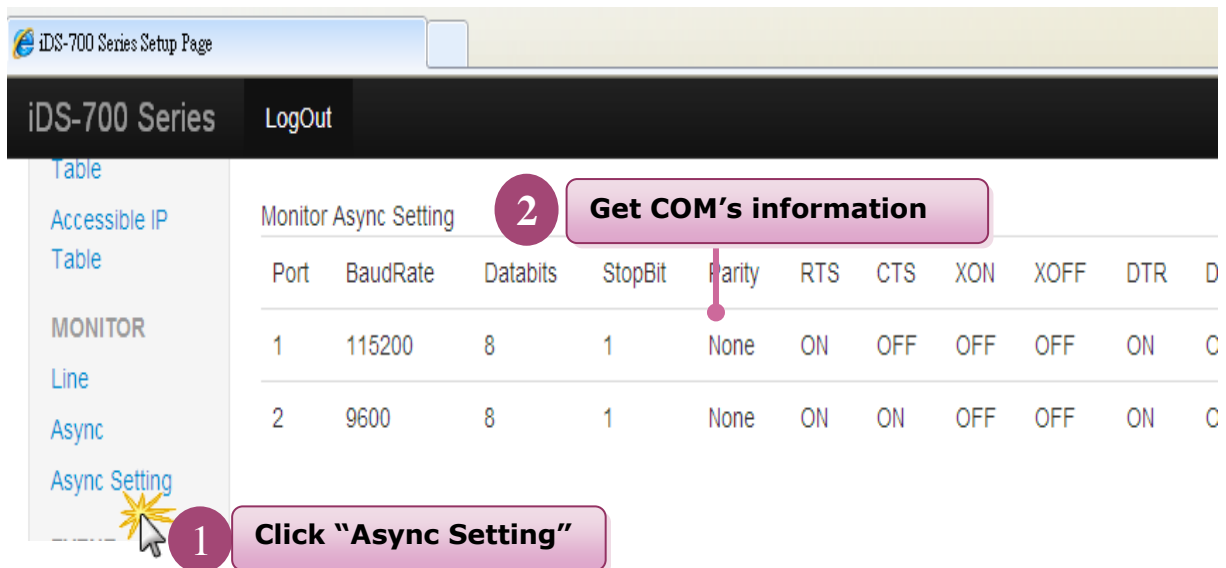


Fig 3-8 Async Setting

3.2.7 Event Notification

Clicking the “Events” and “Email/SNMP Trap” to set the function of events notification and inform the system administrator. Please refer to the Fig 3-9, Fig 3-10:

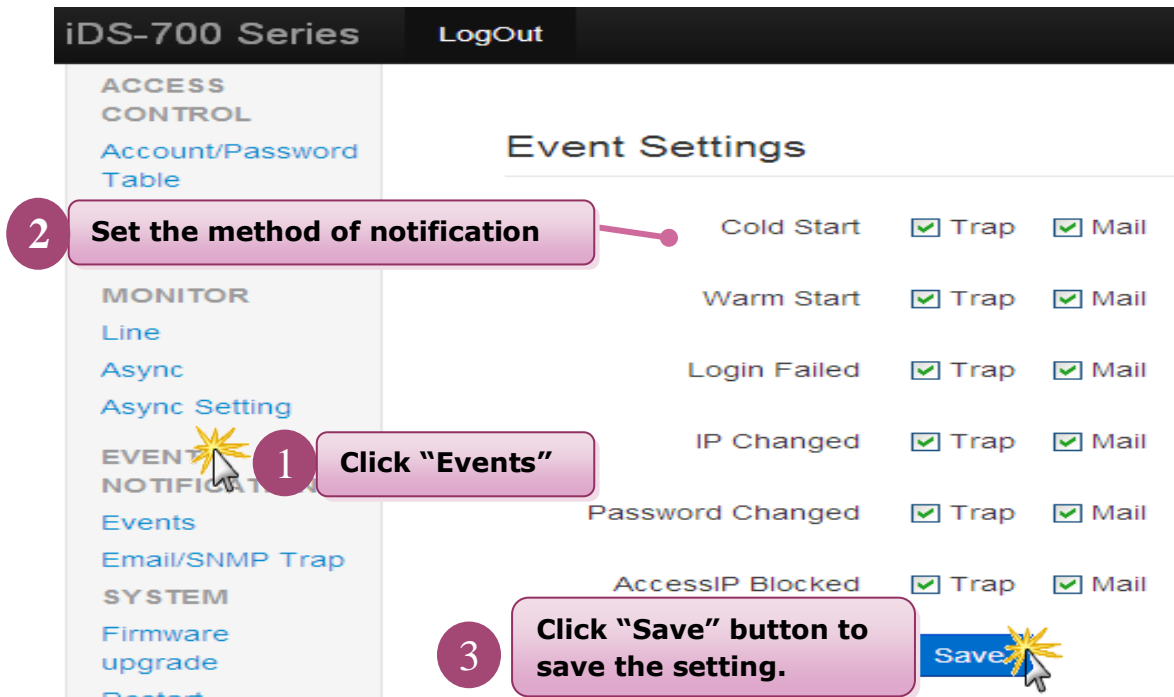


Fig 3-9 Events

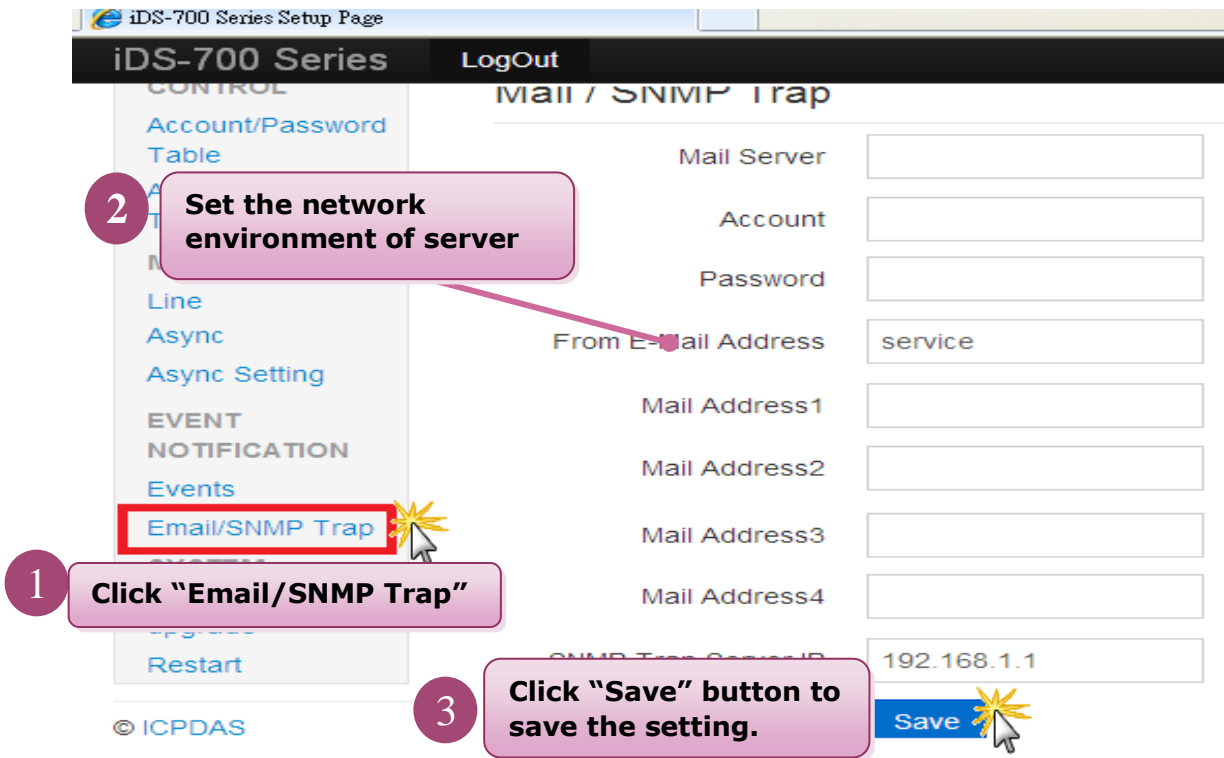


Fig 3-10 Email/SNMP Trap

3.2.8 Firmware Upgrade

Clicking the “Firmware upgrade” to update the iDS’s firmware. Please refer to the Fig 3-11:

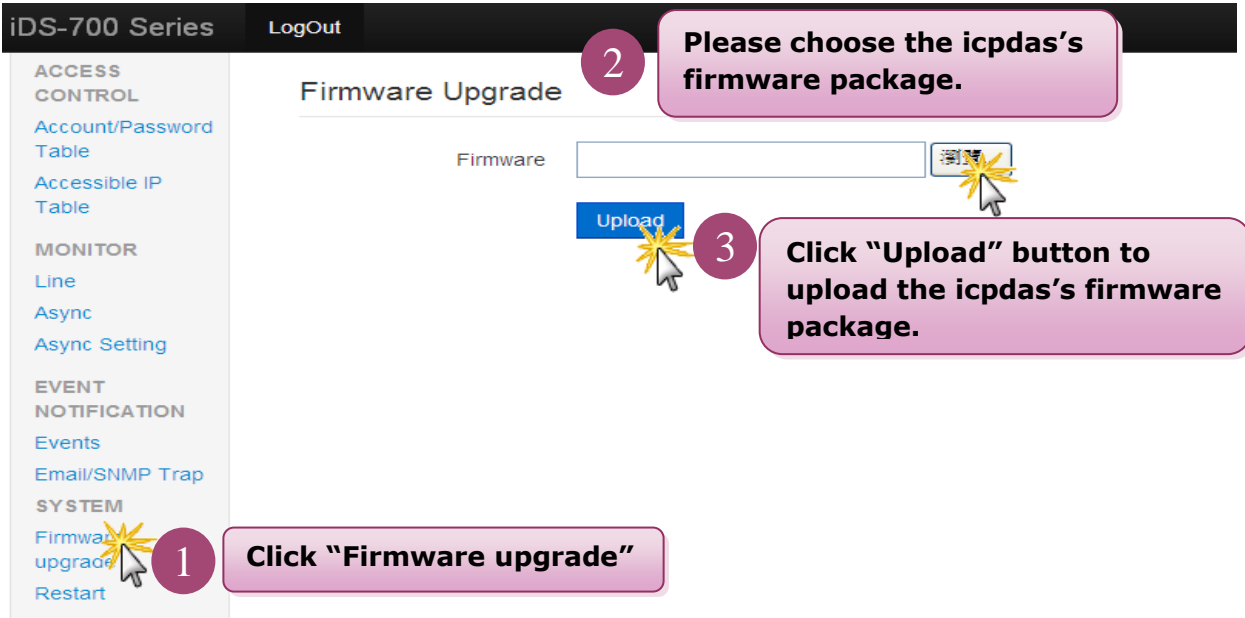


Fig 3-11 Firmware upgrade

3.2.9 Restart

Clicking the “Restart” to reboot the iDS-700 module. Please refer to the Fig 3-12:

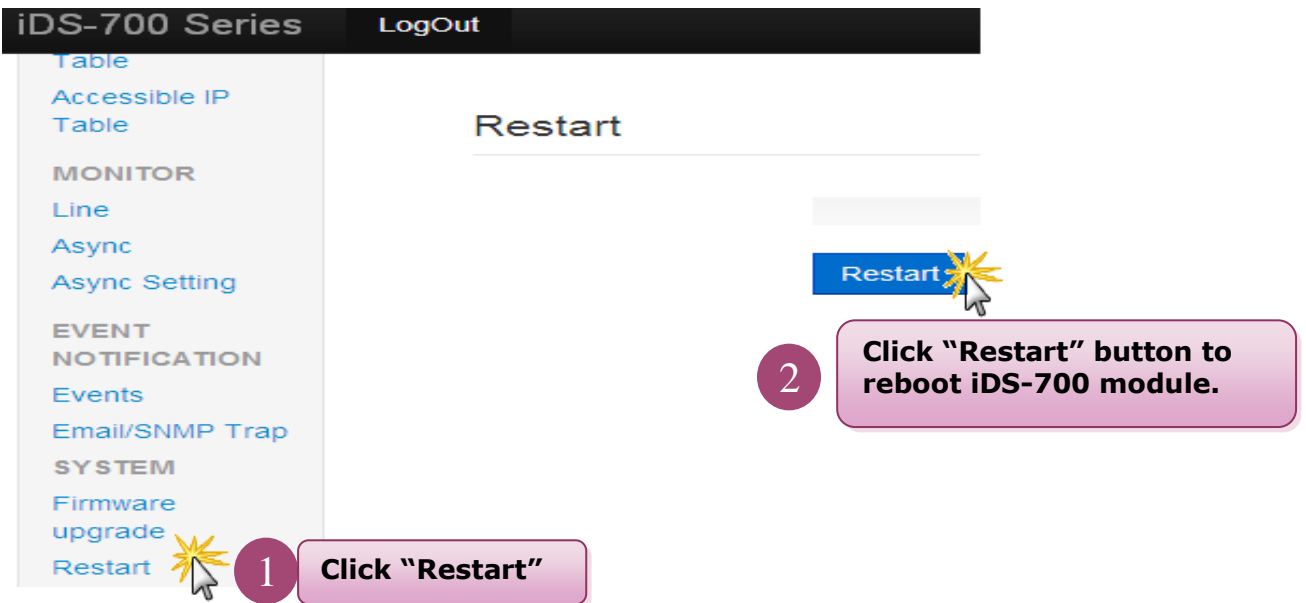


Fig 3-12 Restart

4. Serial Port Operation Modes

4.1 Serial Port Basic Setting

Clicking the SERIAL PORT SETTING “**Port1**” to set the serial port’s basic configuration or click the SERIAL PORT SETTING “**Advanced Options**” to set the serial port’s modem control and command setting. Please refer to the Fig 4-1, Fig 4-2:

The screenshot displays the configuration page for the iDS-700 Series. The top navigation bar includes 'iDS-700 Series' and 'LogOut'. The left sidebar contains the following menu items: 'DEVICE INFORMATION' (Basic Setting), 'NETWORK SETTING' (Network, SNMP), 'DEVICE SERVER' (Port1 - Advanced Options, Port2 - Advanced Options), and 'Port1' (Advanced Options). The main content area is titled 'Serial Port' and shows 'Com Port 1' selected. Under 'Port Configuration', there is a 'Set Port's Configuration' button (annotated with '2'), and fields for 'Alias' (Port1) and 'Physical Interface' (RS232). The 'Flow Control' is set to 'NONE'. Under 'Communication Parameters', the 'Baudrate' is 115200, 'DataBit' is 8, 'Parity' is None, and 'StopBit' is 1. A 'Save' button is located at the bottom right (annotated with '3'). A callout box with '1' points to the 'Port1' option in the sidebar.

Fig 4-1 Port1

DEVICE INFORMATION
Basic Setting

NETWORK SETTING
Network
SNMP

SERIAL PORT SETTING
Port1
- Advanced Options

DEVICE SERVER
Port1
- Advanced Options

Advanced Options

Com Port 1

2 Set Port's Advanced Options

Modem Control

RTS Control

DTR Control

Command Sets

Communication Parameters

Flush Data

1 Click Port1's Advanced Options

3 Click "Save" button to save the setting.

Save

Fig 4-2 Port1's Advanced Option

4.2 Virtual COM

4.2.1 Installing Virtual COM Utility

Please install **VxComm Utility** (v 2.12.07 or later version), the software can download from below web link: http://ftp.icpdas.com/pub/cd/8000cd/napdos/driver/vxcomm_driver/

4.2.2 Network Setting

Please refer to chapter “3.2.2” to set network environment of iDS modules.

4.2.3 Configuring Virtual COM Ports

Please refer to below steps to set and use the virtual COM ports.

1. Double click the **VxComm Utility** shortcut on the desktop.
2. Click the **“Add Server[s]”** button to connect to the iDS-700, then user assign a COM Port number and click **“OK”** to save your settings, please refer to Fig 4-3.

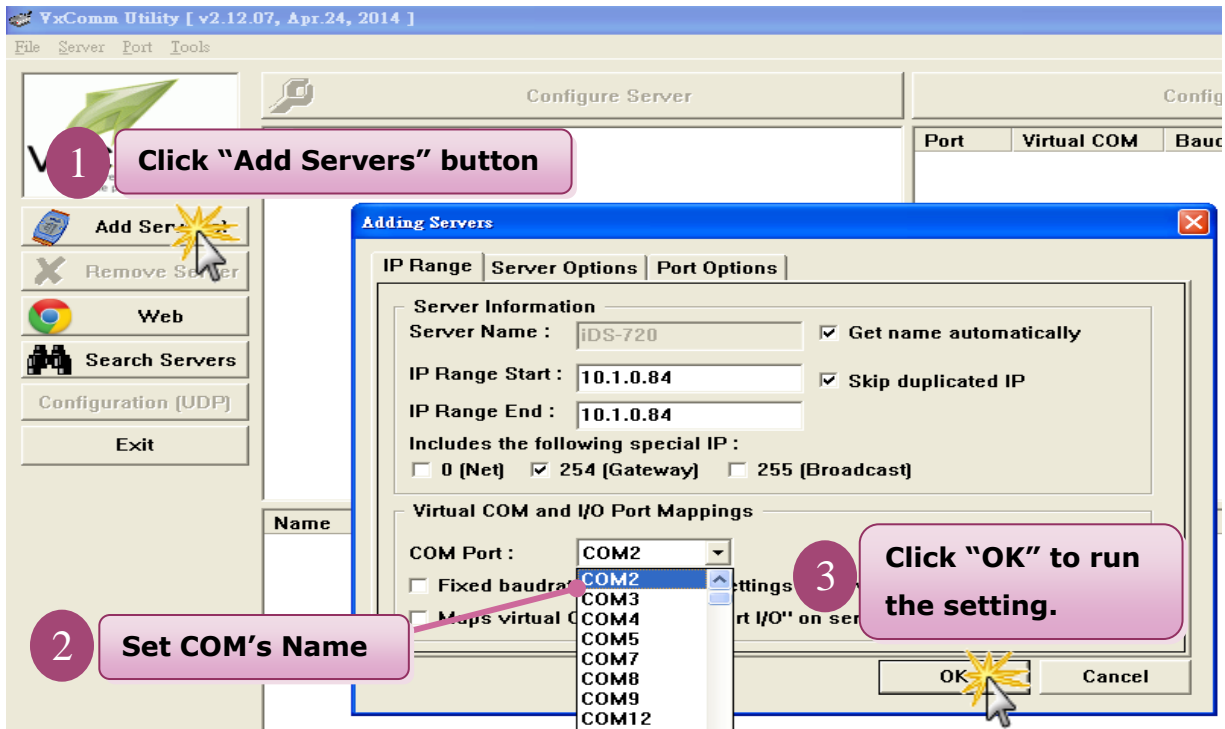


Fig 4-3

3. Click on **iDS-700's** name and check the virtual COM port mappings on the PC, please refer to Fig 4-4.

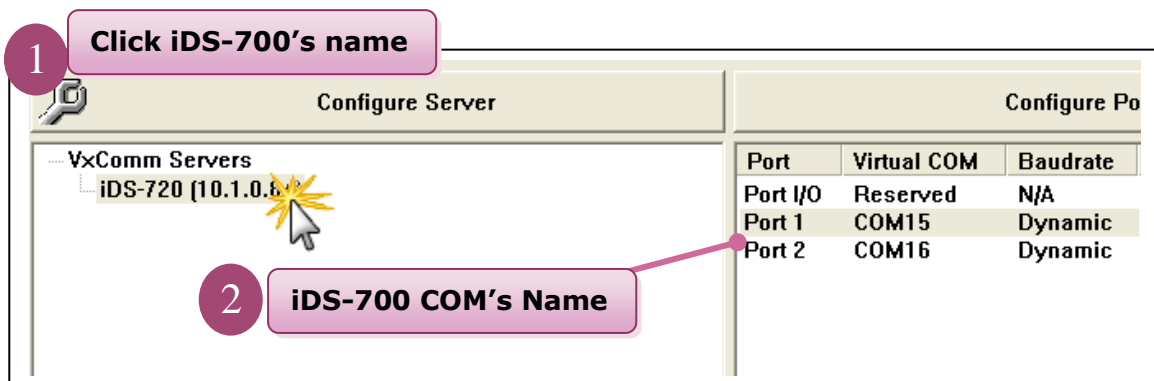


Fig 4-4

4. Click **“Tools”** >> **“Restart Driver”**, and then click the **“Restart Driver”** button, please refer to Fig 4-5.

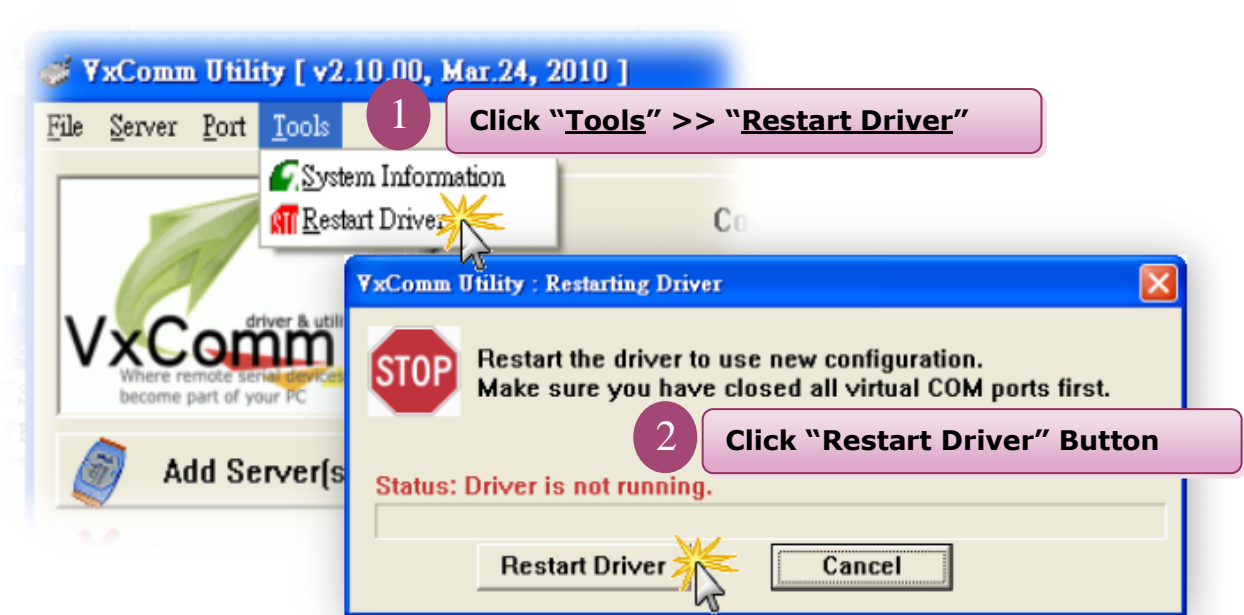


Fig 4-5

4.3 Socket Modes

4.3.1 TCP Server

To click “DEVICE SERVER” >> “Port1” to choose “TCP Server” mode, please refer to Fig 4-6. After user had saved the setting, user must reboot iDS modules (please refer to the chapter “3.2.9 restart”).

iDS-700 Series LogOut

DEVICES INFORMATION

Basic Setting

NETWORK SETTING

Network

SNMP

SERIAL PORT SETTING

Port1

- Advanced Options

Port2

- Advanced Options

DEVICE SERVER

Port1

Port2

Operation mode setting

Com Port 1

Applications

2 Choose "TCP Server"

Protocol TCP Server

Server Options

3 Set "Server Options"

Session Multi-Session

Data Port 10001

Multi-Session

Time Division Multi-Session

Reply Mode Broadcast To ALL

1 Click "Port1"

Save

4 Click "Save" button to save the setting.

Fig 4-6 TCP Server Mode

4.3.2 TCP Client

To click “DEVICE SERVER” >> “Port1” to choose “TCP Client” mode, please refer to Fig 4-7. After user had saved the setting, user must reboot iDS modules(please refer to the chapter “3.2.9 restart”).

iDS-700 Series LogOut

Basic Setting

NETWORK SETTING

Network

SNMP

SERIAL PORT SETTING

Port1

- Advanced Options

Port2

- Advanced Options

DEVICE SERVER

Port1

- Advanced Options

Port2

- Advanced Options

Com Port 1

2 Choose “TCP Server”

Applications

Protocol TCP Client

3 Set iDS’s port number

Client Options

Data Port 15000

Multi-Session

Time Division Multi-Session

4 Set remote server’s IP and port number

Session1 IP 10.1.0.67 Data Port 18000

Local Port 15000

Session2 IP Data Port 0

5 Set iDS’s port number

Session3 IP Data Port 0

Local Port 0

Session4 IP Data Port 0

Local Port 0

6 Click “Save” button to save the setting.

Save

Fig 4-7 TCP Client Mode

4.3.3 UDP

To click “DEVICE SERVER” >> “Port1” to choose “UDP” mode, please refer to Fig 4-8. After user had saved the setting, user must reboot iDS modules(please refer to the chapter “3.2.9 restart”).

The screenshot displays the configuration page for the iDS-700 Series, specifically for 'Com Port 1'. The interface is divided into several sections:

- Applications:** A dropdown menu for 'Protocol' is set to 'UDP'.
- UDP Option:** A text input field for 'Local Port' is set to '11000'.
- Multi-Session:** A checkbox for 'Time Division Multi-Session' is unchecked. Below it, there are four session configurations:
 - Session1:** 'Reply Mode' is 'Broadcast To ALL'. 'Remote Address' is '10.1.0.67', 'Local Port' is '11000', and 'Data Port' is '18000'.
 - Session2:** 'Remote Address' and 'Local Port' fields are present but empty.
 - Session3:** 'Remote Address' and 'Local Port' fields are present but empty. 'Data Port' is set to '0'.
 - Session4:** 'Remote Address' and 'Local Port' fields are present but empty. 'Data Port' is set to '0'.
- Buttons:** A 'Save' button is located at the bottom of the configuration area.

Numbered callouts (1-6) indicate the following steps:

- Click "Port1" in the left sidebar.
- Choose "UDP" in the Protocol dropdown.
- Set iDS's port number (11000) in the Local Port field.
- Set remote host's IP and port number (10.1.0.67 and 18000) for Session1.
- Set iDS's port number in the Local Port field for Session2.
- Click "Save" button to save the setting.

Fig 4-8 UDP Mode

4.4 Pair Connection

4.4.1 Pair Connection Server

To click “DEVICE SERVER” >> “Port1” to choose “Pair Connection” mode, please refer to Fig 4-9. After user had saved the setting, user must reboot iDS modules(please refer to the chapter “3.2.9 restart”).

iDS-700 Series LogOut

DEVICES INFORMATION

Basic Setting

NETWORK SETTING

Network

SNMP

SERIAL PORT SETTING

Port1

- Advanced Options

Port2

- Advanced Options

DEVICE SERVER

Port1

Advanced Options

Operation mode setting

Com Port 1

Applications

2 Choose "Pair Connection"

Protocol Pair Connection

Options

3 Choose "Server"

Role Server

Pair Connect Server

4 Set Port Number

Local Port 15000

5 Click "Save" button to save the setting.

Save

1 Click "Port1"

Fig 4-9 Pair Connection Server

4.4.2 Pair Connection Client

To click “DEVICE SERVER” >> “Port1” to choose “Pair Connection” mode, please refer to Fig 4-10. After user had saved the setting, user must reboot iDS modules(please refer to the chapter “3.2.9 restart”).

iDS-700 Series LogOut

DEVICESERVER

Operation mode setting

Com Port 1

Applications

2 Choose "Pair Connection"

Protocol Pair Connection

Options

3 Choose "Client"

Role Client

Pair Connect Client

4 Set Pair Connection server's IP and port number

Remote Address 10.1.0.67 Data Port 15000 Local Port 11000

5 Set Pair Connection client's port number

6 Click "Save" button to save the setting.

Save

1 Click "Port1"

Fig 4-10 Pair Connection Client

4.5 RFC2217

To click “DEVICE SERVER” >> “Port1” to choose “RFC-2217” mode, please refer to Fig 4-10. After user had saved the setting, user must reboot iDS modules(please refer to the chapter “3.2.9 restart”).

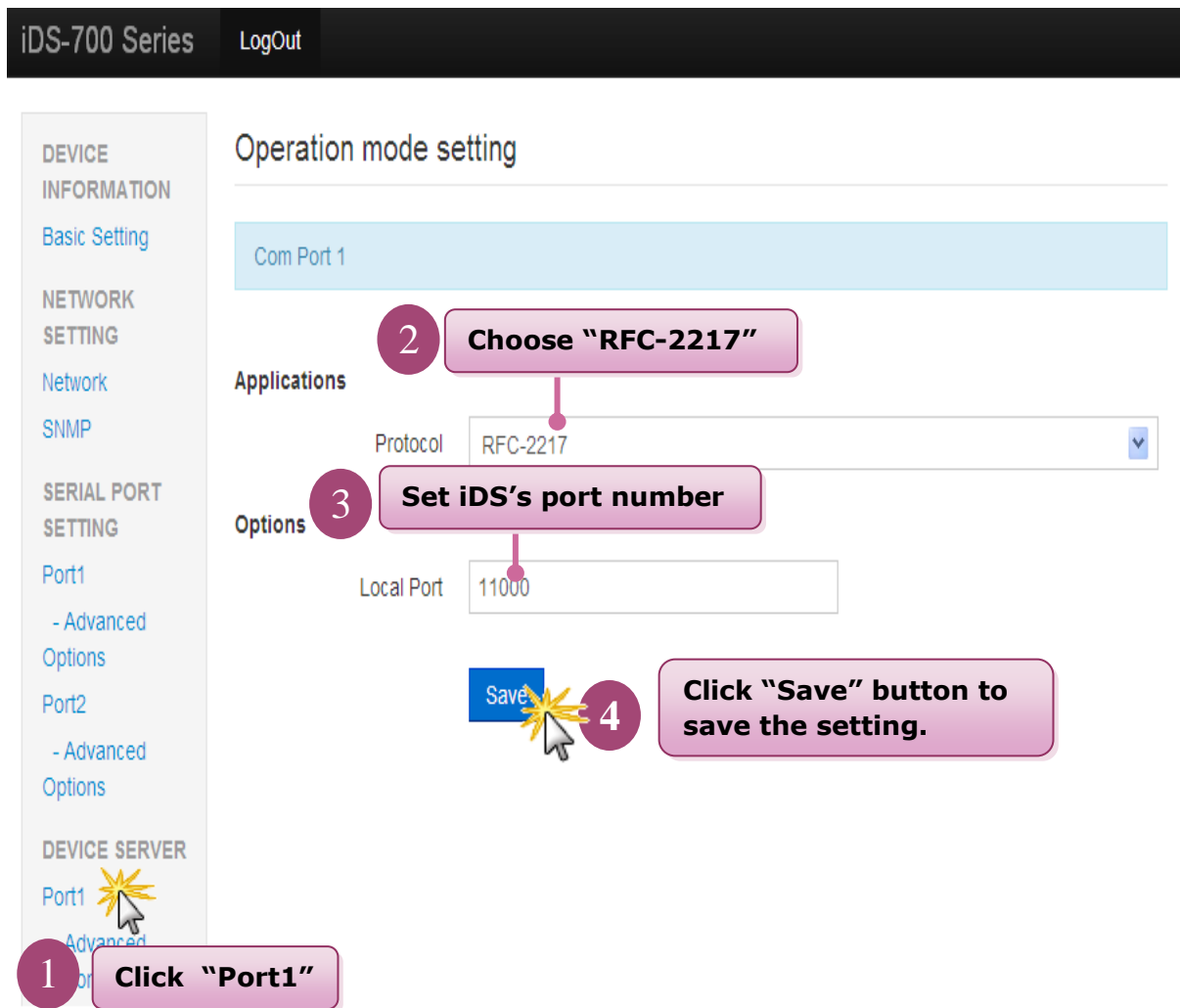


Fig 4-10

4.6 Ethernet Modem

To click “DEVICE SERVER” >> “Port1” to choose “Ethernet Modem” mode, please refer to Fig 4-11. After user had saved the setting, user must reboot iDS modules(please refer to the chapter “3.2.9 restart”).

The screenshot shows the web interface for the iDS-700 Series. The top navigation bar includes "iDS-700 Series" and "LogOut". The left sidebar contains a menu with categories: "DEVICE INFORMATION" (Basic Setting), "NETWORK SETTING" (Network, SNMP), "SERIAL PORT SETTING" (Port1, - Advanced Options, Port2, - Advanced Options), and "DEVICE SERVER" (Port1, - Advanced Options). The "Port1" option under "DEVICE SERVER" is highlighted with a yellow starburst and a mouse cursor, labeled with a red circle containing the number "1" and the text "Click 'Port1'".

The main content area is titled "Operation mode setting" and shows "Com Port 1" selected. Under the "Applications" section, a dropdown menu is set to "Ethernet Modem", labeled with a red circle containing the number "2" and the text "Choose 'Ethernet Modem'". Under the "Options" section, the "Dial-in" field is set to "15000", labeled with a red circle containing the number "3" and the text "Set iDS's Dial-in port number". The "Dial-out" field is set to "11000", labeled with a red circle containing the number "4" and the text "Set iDS's Dial-Out port number". At the bottom, a blue "Save" button is highlighted with a yellow starburst and a mouse cursor, labeled with a red circle containing the number "5" and the text "Click 'Save' button to save the setting."

Fig 4-11 Ethernet Modem